What is claimed is:

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A method for manufacturing a fiber reinforced epoxy resin product, comprising:

5 providing a mold for the product;

applying a release agent to inner surfaces of the mold; providing at least one layer of glass fiber roving cloth in the mold;

casting an unhardened epoxy resin mixture in the mold; pressing the epoxy resin mixture in the mold;

hardening the epoxy resin mixture in the mold under a temperature between about 20°C and about 80°C for more than 30 minutes;

releasing the hardened epoxy resin mixture from the mold;

curing the hardened epoxy resin mixture under a temperature between about 20°C and 35°C for about 24 hours to form the product.

- 20 2. The method of claim 1, wherein the epoxy resin mixture includes epoxy resin, silica and reinforcing fibrous material, the reinforcing fibrous material being a material selected from the group consisting of glass fiber, carbon fiber, aramid fiber and Kevlar fiber or a mixture thereof.
 - 3. The method of claim 2, wherein the epoxy resin mixture

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further includes cement.

- 4. The method of claim 2, wherein the epoxy resin mixture further includes an inorganic material having refractory and self-extinguishing characteristics.
- 5. The method of claim 4, wherein the inorganic material is selected from the group consisting of Aluminum hydroxide, antimony oxide and hydro bromide.
- 6. The method of claim 1, the method further comprising a step of impregnating at least one layer of the glass fiber roving cloth with epoxy resin.
- 7. The method of claim 1, the method further comprising a step of removing air bubbles from the unhardened epoxy resin mixture.
- 8. The method of claim 7, wherein the removal of the air bubbles is performed by vibrating the mold.
 - 9. A fiber reinforced epoxy resin product, comprising.
- a hardened epoxy resin mixture including epoxy resin, silica and a fibrous material, the fibrous material being a material selected from the group consisting of glass fiber, carbon fiber, aramid fiber and kevlar fiber or a mixture

thereof;

at least one layer of glass fiber roving cloth arranged parallel to each other in the hardened epoxy resin mixture.

5 10. A method for manufacturing a fiber reinforced epoxy resin product, comprising:

providing a mold for the product;

applying a release agent to inner surfaces of the mold; providing at least one layer of glass fiber in the mold;

casting an unhardened epoxy resin mixture in the mold; pressing the epoxy resin mixture in the mold;

hardening the epoxy resin mixture in the mold under a temperature between about 20°C and about 80°C for more than 30 minutes;

15 releasing the hardened epoxy resin mixture from the mold;

curing the hardened epoxy resin mixture under a temperature between about 20°C and 35°C for about 24 hours to form the product.

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11. A method for manufacturing a fiber reinforced epoxy resin panel, comprising:

providing a mold for the panel;

applying a release agent to inner surfaces of the mold;

25 providing at least three layers of glass fiber roving cloth in the mold;

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casting an unhardened epoxy resin mixture in the mold; pressing the epoxy resin mixture in the mold;

hardening the epoxy resin mixture in the mold under a temperature between about 60°C and about 80°C for more than 30 minutes;

releasing the hardened epoxy resin mixture from the mold;

curing the hardened epoxy resin mixture under a temperature between about 25°C and 30°C and a humidity between about 40% and about 50% for about three days to form the panel.

- 12. The method of claim 11, wherein the epoxy resin mixture includes epoxy resin, silica and reinforcing fibrous material, the reinforcing fibrous material being a material selected from the group consisting of glass fiber, carbon fiber, aramid fiber and Kevlar fiber or a mixture thereof.
- 13. The method of claim 11, the method further comprising a step of impregnating at least one layer of the glass fiber roving cloth with epoxy resin.
 - 14. A fiber reinforced epoxy resin panel, comprising.
- a hardened epoxy resin mixture including epoxy resin,

 silica and a fibrous material, the fibrous material being a

 material selected from the group consisting of glass fiber,

carbon fiber, aramid fiber and Kevlar fiber or a mixture thereof;

parallel to each other in the hardened epoxy resin mixture.

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15. A method for manufacturing a fiber reinforced epoxy resin product, comprising:

providing a mold for the product;

applying a release agent to inner surfaces of the mold;

providing at least three layers of glass fiber roving cloth in the mold;

casting an unhardened epoxy resin mixture in the mold; pressing the epoxy resin mixture in the mold;

hardening the epoxy resin mixture in the mold under a temperature between about 60°C and about 80°C for about one to about three hours;

releasing the hardened epoxy resin mixture from the mold;

curing the hardened epoxy resin mixture under a temperature between about 20°C and 35°C and a humidity between about 30% and about 60% for about 24 hours to form the product

16. A method of claim 15, the method further comprising a step of removing air bubbles from the unhardened epoxy resin mixture such that the amount of the air bubbles therein is

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maintained below about 4%.

17. A method of claim 15, wherein the epoxy resin mixture includes epoxy resin, silica, rubbles and reinforcing fibrous material, the reinforcing fibrous material being a material selected from the group consisting of glass fiber, carbon fiber, aramid fiber and Kevlar fiber or a mixture thereof.

- 10 18. A method of claim 17, wherein the epoxy resin mixture further includes an inorganic material having refractory and self-extinguishing characteristics.
 - 19. A vehicle block structure having a predetermined height, comprising:
 - a body including a hardened epoxy resin mixture and glass fiber roving clothes, the hardened epoxy resin mixture containing epoxy resin, silica, rubbles and reinforcing fibrous material;
- 20 a plurality of through holes arranged in a direction of elevation of the structure; and
 - a plurality of bolts having a length greater than the height of the structure and being arranged in the through hole to fix the structure to a desired place.
 - 20. A vehicle block structure of alaim 19, the structure

further comprising an adhesive epoxy resin layer in order to fix the structure to a desired place.